

SABHARATHINAM HARIHARAN



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ABOUT ME



MECHANICAL DESIGN ENGINEER

Seeking for a responsible career position, in pursuit of challenging and enriching assignments in the industry which rewarding opportunity to contribute significantly in the organization with experience in Design Engineering where I can contribute my expertise and talent in an environment of open communication, activity, vision and growth which can harness my intellectual property and enable me to learn new technologies & methodologies to deal with real time problems.

EDUCATION



BE in the stream of Mechanical Engineering

Arignar Anna Institute of Science and Technology (Affiliated to Anna University, Chennai)
Sriperumbudur, Chennai, Tamil Nadu

Matriculated, May 2017
Marks – 70.30%

HSC in the stream of Computer Science

S.M.H Higher Secondary School
Sirkazhi, Nagapattinam, Tamil Nadu

Matriculated, May 2013
Marks - 75.66%

SSC

S.M.H Higher Secondary School
Sirkazhi, Nagapattinam, Tamil Nadu

Matriculated, May 2011
Marks - 85%

QUALIFICATIONS

AFFILIATIONS



- Member in Society of Automotive Engineers India (SAE India)
- Member in Institution of Mechanical Engineers (IMechE)

CAREER

HIGHLIGHTS



- Successful in Engineering Changes without affecting the regular production.
- Design modified for several tools to avoid breakages.
- New split punch introduced from existing solid punch in order to reduce the tool cost.

PROFESSIONAL

PREFACE



- Technically accomplished professional having more than one year of experience in Design Engineering with strong problem solving skills and creative approach for generating new ideas which provides technical direction on design principles along with the excellent grasp on manufacturing processes and construction methods.
- Having sound knowledge in IATF & TQM Practices, Process Design, Tool Design, Gauges & Fixtures Design, Product Development, Value Engineering & Value Analysis and Reverse Engineering in the field of Powder Metallurgy. Experienced in prototyping of product based on customer requirement.
- Proficient in Process Design & Development of Powder Metallurgy, very particular about the results and details of highly performing products as per customer inputs and successfully customized, developed & executed projects to various customers. Studied and applied design regulations to design safe, responsible and sustainable processes.
- Proficient at creating detailed mechanical drawing for piece parts and assemblies from CAD Models. Adept in maximizing Form, Fit and Function through meticulous design model evaluation and an out of the box thinker with sound machine knowledge and thorough understanding of machine dynamics which is regularized in Powder Metallurgy.
- Backed by advanced skills in DFM best practices & numerous CAD/CAM/CAE tools, ERP SAP Systems, Life Cycle Management, GD&T, etc.
- Exemplary performance even under strict deadline or less than optimal access to resources. I refuse to cut corners and always encourage myself to work more efficiently rather than skimp on quality for the sake of a deadline.
- Highly trained with finely tuned technical writing, critical thinking and excellent planning.

ORGANISATIONAL EXPERIENCE



Since November, 2017 to till date

TVS Sundram Fasteners Limited
(Metal Forms Division)
Harita, Hosur, Tamil Nadu.

Graduate Trainee in Product Engineering Department (Powder Metallurgy)

- Responsible for complete Process Design & Tool Design based on the requirement and feasibility of the product.
- Analyzing the product to ensure design criteria and specific requirements.
- Interacting with customer regarding for product requirement and geometrical deviations based on the feasibility through PM route and developing prototype for testing purposes.
- Commended for strengths in defining, assessing and satisfying complex product functional specifications and manufacturability concerns.
- Responsible for preparing 2D&3D models for products & tools by using solid modeling environment with the help of specified drawing, assembly, drafting and detailing of the product.
- Assigned with the responsibilities of preparing the dimensional drawings of the tools, main assembly layout in which can accommodate with tools and machine, product drawing as per manufacturing feasibility, and complete bill of materials (BOM) for the product.
- Review tooling specifications and equipment layout to optimize workflows.
- Oversee installation and optimization of tools in machineries to drive sample building for prototype.
- Responsible for product formation and analyzing the critical frequencies for flawless and optimum design output.
- Analyzing the product dimensional study during each stage of operation and data to be compiled & consolidated.
- Responsible for preparing Gauges and Fixtures to ensure the critical dimensions of the product.
- Responsible for documents such as APQP, PPAP, Timing Plan, PFD, Control Plan, DCPN, PFMEA, Process Sheet, etc.
- Maintained accurate project records such as updated drawings and documents throughout the project life cycle.
- Responsible for Change Managements such as Design Change, Process Change and Engineering Change.
- Assigned to the task of press conversions, troubleshooting & overhauling of tools, if required for regular production based on the demands of production team.
- Developed new assemblies that accelerated client production line speed by up to twice.

CORE COMPETENCIES



Softwares such as,

- AutoCAD
- Inventor
- Solid Works
- Creo Parametric
- NX CAD

SKILLS



- Hard Skills such as Graphic Design, Planning and Record Keeping
- Leadership
- Time Management
- Team Player
- Good Listener
- Able to conclude complex problems
- Efficient and Multitasking Personality

LANGUAGES



- Tamil
- English

INTERESTS



- Games such as Badminton, Volley Ball, Chess and Puzzle Solving
 - Watching News and Listening Music
 - Notes Making
 - Learning
 - Driving
 - Skill developing
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PERSONAL DETAILS



Father's Name : HARIHARAN R

Marital Status : Single

Date of Birth : January 25, 1996

Gender : Male

MY ADDRESS



14/12, North Madavilagam

Sirkazhi, Nagapattinam

Tamil Nadu – 609110.

DECLARATION

I hereby declare that the above information contained herein is true and correct to the best of my knowledge and belief.

Sirkazhi, Tamil Nadu
(February 11, 2019)

(SABHARATHINAM HARIHARAN)